

Amendments to the Specification:

Please replace the paragraph beginning on page 8, line 14, with the following amended paragraph:

FIG. 5 shows the full length amino acid sequence of ~~secretase~~ β -secretase 1-501 (SEQ ID NO: 2), including the ORF which encodes it (SEQ ID NO: 1). ~~(SEQ ID NO: 1), with certain~~ Certain features indicated, such as “active-D” sites indicating the aspartic acid active catalytic sites, a transmembrane region commencing at position 453, as well as leader (“Signal”) sequence (residues 1-21; SEQ ID NO: 46) and the putative pro region (residues 22-45; SEQ ID NO: 47). ~~(residues 22-45; SEQ ID NO: 47) and where the~~ The polynucleotide region corresponding to the active enzyme portion corresponding to amino acids 46-501 (SEQ ID NO: 43)(nt 135-1503) is shown as ~~SEQ ID NO: 44~~ SEQ ID NO: 42 and contains an internal peptide region (SEQ ID NO: 56) and a transmembrane region (SEQ ID NO: 62).